(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 21 April 2005 (21.04.2005)

PCT

(10) International Publication Number WO 2005/035995 A1

- (51) International Patent Classification⁷: F15D 1/06, B01F 5/06, B01D 17/038, 17/028, 17/04, 45/12, 17/02 // E21B 43/34
- (21) International Application Number:

PCT/IB2004/003453

- (22) International Filing Date: 6 October 2004 (06.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0323918.3

11 October 2003 (11.10.2003) GB

- (71) Applicants (for all designated States except US): KVAERNER PROCESS SYSTEMS A.S. [NO/NO]; Prof. Kohtsvei 5, P.O. Box 403, N-1327 Lysaker (NO). SINTEF ENERGIFORSKNING AS [NO/NO]; Strindveien 4, N-7465 Trondheim (NO).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LIVERUD, Jon [NO/NO]; Ostadalsvn. 72, N-0753 Oslo (NO). TAYEBI, Davoud [NO/NO]; Vollsveien 39A, N-1358 Jar (NO). SVINGEN, Bjornar [NO/NO]; Granittveien 15, N-7500 Stjordal (NO).

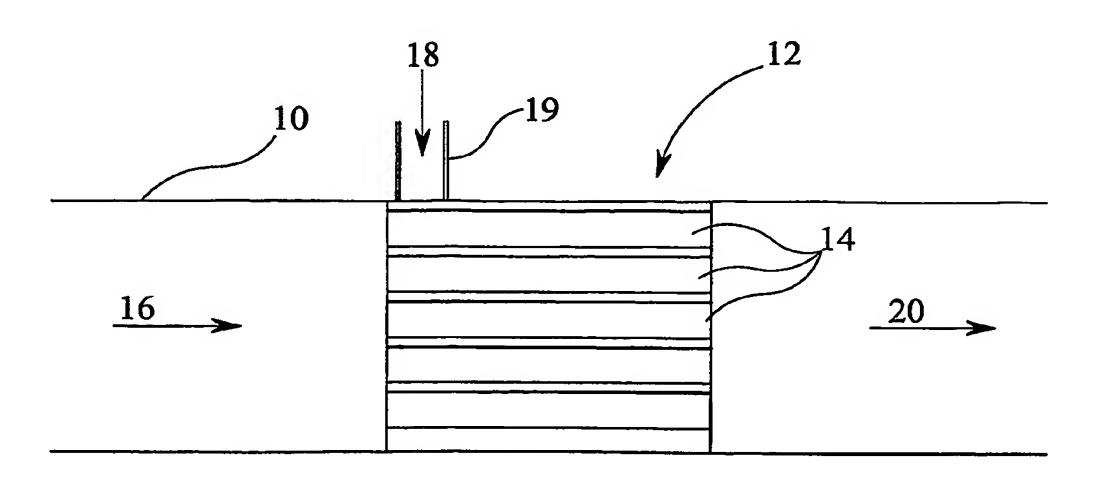
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLUID PHASE DISTRIBUTION ADJUSTER



(57) Abstract: A fluid phase distribution adjuster (10) comprises two or more tubes (14) arranged to provide a plurality of separate flow paths for fluid. Means are provided for generating a radial acceleration of fluid flowing through each tube so as to promote movement of at least one fluid phase towards or away from a wall of the tube. The adjuster can be used as a coalescer for increasing the size of droplets in a distributed fluid phase carried by a continuous fluid phase, or as a mixer for mixing fluid phases.



2005/035995